BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Est Cost Rs. 45.00 Lakhs

Name of Work:-Reconstruction of masonry storm water drain and covering slab in GKVK layout to Allalasandra in ward no 04.

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	Dismantling of size stone masonry in clay motor and stacking the size stone within aradious of 50m and removing the debris to a distance upto 200 m etc., as per specificatinn and directions of the engineer inchanges of the work (item no 37,48 Page 255 PWD)	Cum							
	Existing of damaged masonry drain		2	130.00	0.60	1.50	234.00		
							234.00		
					50% of Missing quantity		117.00		
							117.00	**75.60**	**8845.00**
2	KSRRB 300-1.Earth work excavation by manual means in ordinary soil involving an average horizontal throw up to 2 meters and an average lift up to 1.5m,excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications (Item no19.1,Page no 138, PWD SR 2014-15)	Cum							
	Existing drain		1	146.00	2.35	1.80	748.98		
	New drain		1	46.00	3.00	1.80	248.40		
							997.38		
	(-)Existing masonry drain quantity		2	130.00	0.60	1.50	234.00		
							763.38	75.60	57712.00
3	KSRD 4-1.3:Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @180kgs. with 40mm and down size graded granite metal course aggregates @0.85cum and fine aggregates @0.57cum machine mixed,machine mixed,concrete laid in layers not exceeding 15cms,thick, well compacted in foundation,including cost of all materials,labour,DOM of machinery,curing complete as per specifications.Specification no KBS4.1,4.2(Item no4.3,Page no12,PWD SR 2014-15)	Cum							
	Existing drain		1	146.00	2.85	0.15	62.42		
	New drain		1	46.00	3.00	0.15	20.70		
			1				83.12	4847.04	402862.00

4	KSRRB 4.1:6Providing and laying in position plain cement concrete mix 1:2:4 with cement @240kgs. with 20mm and down size graded granite metal coarse aggregates @0.69 cum and fine aggregates @0.459cum, machine mixed, concrete laid in layers not exceeding 15cms thick well compacted,in foundation,plinth and cills,including cost of all materials, labour, HOM of machineries, curing complete as per specifications. Specification no 4.1,4.2 (Page.12 & Item No. 4.6)	Cum							
	Vent concrete		1	146.00	1.10	0.20	32.12		
			1	46.00	1.15	0.20	10.58		
	Coping concrete		2	146.00	0.60	0.10	17.52		
			2	46.00	0.60	0.10	5.52		
							65.74	5327.64	350239.00
5	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stone chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specification. KBS 5.1.13 (P.23/5.9) PWD SR 2014-15	Cum							
	Masonry side walls		2	146.00	0.60	1.80	315.36		
			2	46.00	0.60	1.80	99.36		
							414.72	4542.48	1883857.00
	(-)Available stones quantity vide item no-01						117.00		
							117[illegible].00	10.00	- 117000.00
6	KSRB 4.2.2 : Providing and laying in position Reinforced cement concrete of design mix M20 with OPC cement @ 320kgs. with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with super plasterise @ 3lts conforming etc as per specification&direction of the engineer incharge of work(pwd sr2014-15,p.no13,sno4,11)	Cum							
	Deck slab for Existing drain		1	76.00	2.20	0.15	25.08		
			1	70.00	2.20	0.20	30.80		
	New drain		1	46.00	2.40	0.20	22.08		
			2				77.96	6065.28	472849.00

7	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per specifications. Specification noKBS 4.6.3.TMT bars Fe550(pwd sr 2014-15,p.no17,s.no 4.26)	Qtl							
	For culvert 120kg / cum						93.55		
							93.55	7905.60	739585.00
8	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, attached pilasters,bitresses, buttresses plinth and string course including cost of all materials,labour complete asper specification. Specification no.KBS 4.6.2 (pwd sr2014-15,p.no15/4.31)	Sqm							
	Coping concrete		4	192.00		0.10	76.80		
	Deck slab		1	192.00	1.10		211.20		
	Deck slab sides		2	192.00		0.15	57.60		
							345.60	292.68	101150.00
9	KSRB 15.1.3: Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 109/ Item No. 15.3 / PWD SR 2014-15	Sqm							
	Drain inner sdie		2	146.00		1.80	525.60		
			2	46.00		1.80	165.60		
							691.20	92.88	64199
10	KSRRB M100-1 Loading and un loading of stone boulder/Stone aggregates/ sand/kanker/ Moorum. KSRRB M100-3:Placing tipper at loading point,loading with front end loader,dumping,turning for return trip,excluding time for haulage and return trip complete as per specifications(Item no17.1,Page no 130, PWD SR 2014-15)	Cum							
			Vide Item No. 1				763.38	68.04	51940.38
							Total bill amount RS		4016238.03
		3					KRIDL supervision Charges 11%		441786.00

	Quality Control charges 1%								40162.00
11	Miscellaneous charges	L/S							(540.00)
									1813-97
								Total RS	4500000.00
(Rupees forty lfive only)									

Certificate:-

1 The work spot has been inspected and the work is found neccessary.
2 This estimate is prepared as per C.S.R. of 2014-15
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward no: 04

Assistant Executive Engineer
Yelahanka New town Sub Division
Bangalore-64

Executive Engineer
Yelahanka Division
Bangalore-64

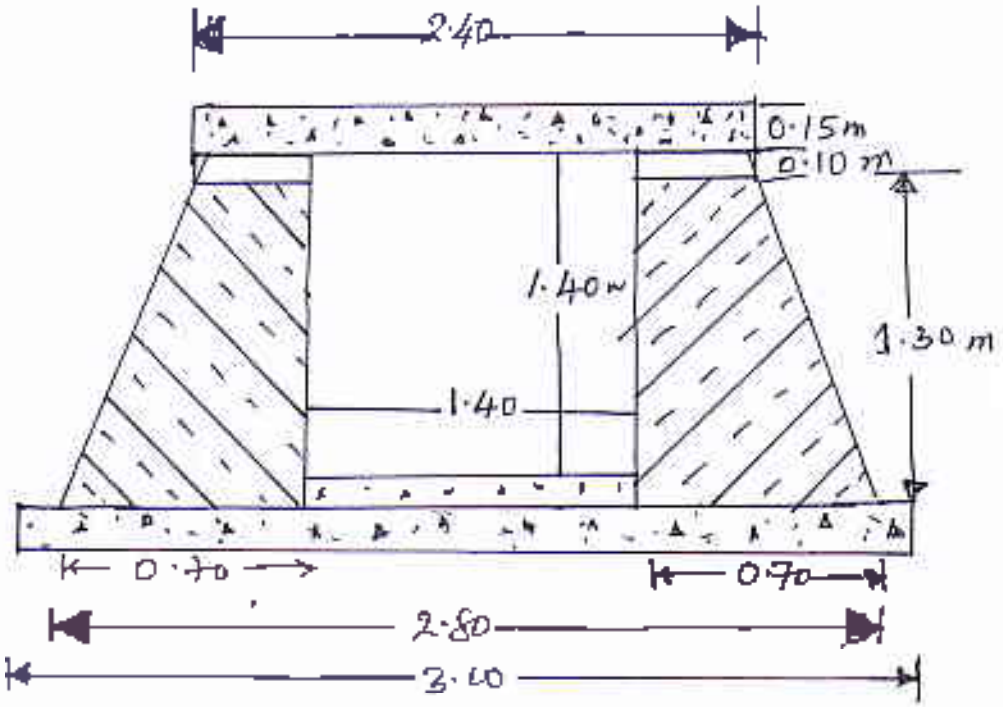
ADMINISTRATIVELY SANCTIONED FOR Rs 45,00,000
Rupees forty five lakhs only
P2415 Reserve fund for T & F committee
to EE( ) No
to conditions
memo EE( ) No
Dt 04/12/14 Estimate
BBMP/YNK/TC/AA/1051/14-15
dated 04/12/14 Rs 4500000/-

Addl. Commissioner
(Yelahanka Zone)
BBMP Bengaluru-92

Technical Sanction Accorded for Rs 45.00 Lakhs
P2415
81 Dt: 04.12.14
Subject
Candidates contained in enclosed memo
No Dt

AE/JE TA SE (BTP) CE (BTP)

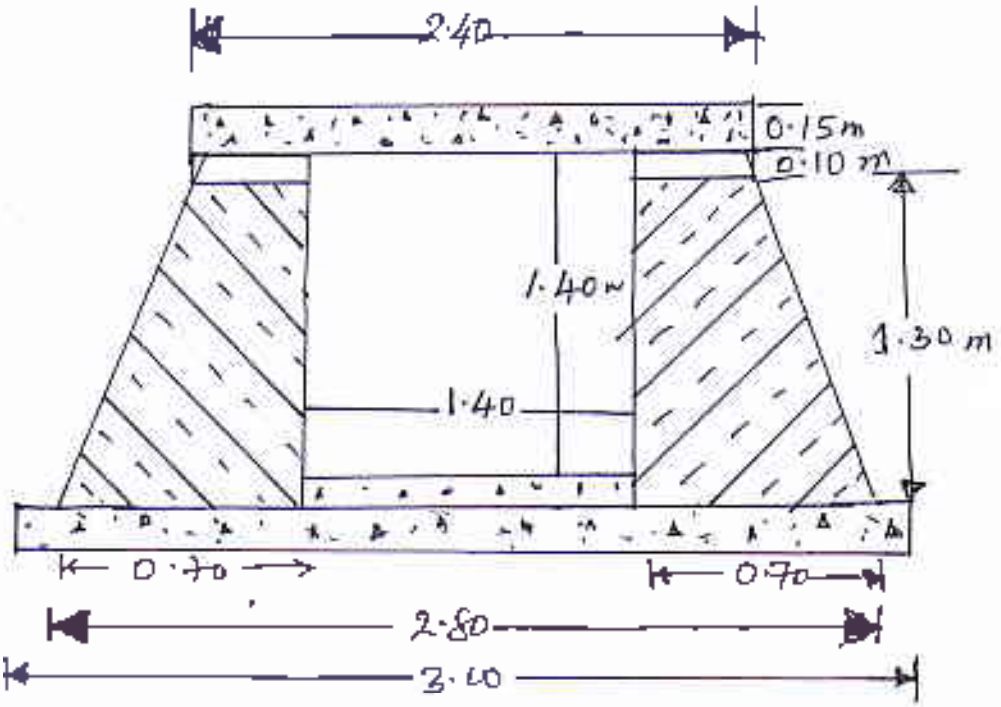
Reconstruction of R.C.C. / Masonary Wall to Storm water drain from GKVK To Allalasandra in Ward No: 04



C/S OF MASONARY WALL

K.M. AE

Reconstruction of R.C.C. / Masonary Wall to Storm water drain from GKVK TO Allalasandra in Ward No: 04



C/S OF MASONARY WALL

K.M. [illegible] AE